

FIG. 1

** Start of β hCG transcription

LH4		C		C																
CG5	.....	tta aat CCA GCA CTT TGC TCG GGT CAC GGC CTC CTC CTG GCT																	
CG6	...	g.	C. ....	.... T.															
CG7	...	g.	T. ....	.... T.															
Endo				C CTG GTT																
		-360		-330																
LH4	A	A	T																	
CG5	CCC AGG ACC CCA CCA TAG GCA GAG GCA GGC CTT CCT ACA CCC TAC TCC TCG CTG TGC CTC CAG																			
CG6	... A. ....	....	....	.... T.													
CG7	... A. ....	....	....	.... T.													
Endo	CCC AAG ACC CCA CCA TAG GCA GAG GCA GGC CTT CCT ACA CCC TAC TCC TCG CTG TGC CTC CAG																			
		-300		-270																
LH4	C	G	A	T	T															
CG5	GCT CGA CTA GTC CCT AGC ACT CGA CGA CTG AGT CTC TGA GAT CAC TTC ACC GTG GTC TCC																			
CG6	C. ....	.... A. ....	....	.... A. G. ....	....														
CG7	C. ....	.... G. ....	....	.... A. ....	....														
Endo	CCT CGA CTA GTC CCT AGC ACT CGA CGA CTG AGT CTC AGA GGT GAC TTC ACC GTG GTC TCC																			
		-240		-210																
LH4	C T C	A	CG	G	G A															
CG5	GCC TCA CCC TTG GCG CTG GAC CAG TGA GAG GAG AGG GCT GGG GCG CTC CGC TGA GCC ACT																			
CG6	... T. ....	... C. ....	... C. ....	... G. ....	... A. T.											
CG7	... T. ....	... T. ....	... C. ....	... G. ....	... A. T.											
Endo	GCC TCA TCC TTG GYG CTA GAC CAC TGA GGG GAG AGG ACT GGG GTG CTC CGC TGA GCC ACT																			
		-180		-150																
LH4	C	T	A	G	C C G T															
CG5	CCT GCG CCC CCC TGG CCT TGT CTA CCT CTT GCC CCC CGA AGG GTT AGT GTC GAG CTC ACC																			
CG6	... T. ....	... T. ....	... T. ....	... C. ....	... G.											
CG7	... T. ....	... T. ....	... T. ....	... C. ....	... C.											
Endo	CCT GTG CCT CCC TGG CCT TGT CTA CTT CTC GCC CCC CGA AGG GTT AGT GTC GAG CTC ACT																			
		-120		-90																
LH4	G	TC	C		A															
CG5	CCA G-C ATC CTA CAA CCT CCT GGT GGC CTT GCC GCC CCC ACA ACC CCG AGG TAT AAA GCC																			
CG6	... T. ....	... T. ....	... T. ....	... C. ....	... G.											
CG7	... T. ....	... T. ....	... T. ....	... A. ....	... A.											
Endo	CCA G-C ATC CTA CAA CCT CCT GGT GGC CTT GAC GCC CCC ACA AMC CCG AGG TAT RAA GCC																			
		-60		-30																
LH				leu																
hCG				met	glu	met	phe	glu	leu	gly	leu	leu	leu							
LH4	A	G	T				C													
CG5	AGG TAC ACG AGG CAG GGG ACG CAC CAA GG	ATG	GAG	ATG	TTC	CAG	GGG	CTG	CTG	CTG	TTG									
CG6C.									
CG7C.									
Endo	AGG TAC ACC AGG CAG GGG ACG CAC CAA GG	ATG	GAG	ATG	TTC	CAG	GGG	CTG	CTG	CTG	TTG									
		-1	+1									+30								
		1	4									10								
LH																				
hCG	leu	leu	leu	ser	met	gly	gly	thr	trp	ala	arg	pro	trp	his						
LH4																				
CG5	CTG	CTG	CTG	AGC	ATG	GGC	GGG	ACA	TGG	GCA	TCC	AAG	GAG	CCG						
CG6C.						
CG7C.						
Endo	CTG	CTG	CTG	AGC	ATG	GGC	GGG	ACA	TGG	GCA	TCC	AGG	GAG	ATG						
		+60	lys/arg										+90							
LH																				
hCG	pro	ile	asn	ala	thr	leu	ala	val	glu	lys	glu	gly	pro	val	cys	ile	thr	val	asn	
LH4																				
CG5	CCC	ATC	AAT	GCC	ACC	CTG	GCT	GTG	GAG	AAG	GAG	GGC	TGC	CCC	GTG	TGC	ATC	ACC	GTC	AAC
CG6C.
CG7C.
Endo	CCC	ATC	AAT	GCC	ACC	CTG	GCT	GTG	GAG	AAG	GAG	GGC	TGC	CCC	GTG	TGC	ATC	ACC	GTC	AAC
		+120																	+150	

FIG. 1 (cont...)

LH		40		50
hCG	thr thr ile cys ala gly tyr cys pro thr met thr arg val leu gln gly val leu pro		met	ala
-LH4			TG	C
CG5	ACC ACC ATC TGT GCC GGC TAC TGC CCC ACC ATG ACC CGC GTG CTG CAG GGG GTC CTG CGG			
CG6	...			
CG7	...			
Endo	ACC ACC ATC TGT GCC GGC TAC TGC CCC ACC ATG ACC CGC GTG CTG CAG GGG GTC CTG CGG	+180		+210
LH	pro	60		70
hCG	ala leu pro gln val val cys asn tyr arg asp val arg phe glu ser ile arg leu pro	thr		
LH4	C	C		
CG5	GCC CTG CCT CAG GTG GTG TGC AAC TAC CGC GAT GTG CGC TTC GAG TCC ATC CGG CTC CCT			
CG6	...			
CG7	...			
Endo	GCC CTG CCT CAG GTG GTG TGC AAC TAC CGC GAT GTG CGC TTC GAG TCC ATC CGG CTC CCT	+240		+270
LH		80		90
hCG	gly cys pro arg gly val asn pro val val ser tyr ala val ala leu ser cys gln cys	asp	phe pro	arg
LH4	T	G	T C T	GC
CG5	GGC TGC CCG CGC GGC GTG AAC CCC GTG GTC TCC TAC GCC GTG GCT CTC AGC TGT CAA TGT			
CG6	...			
CG7	...			
Endo	GGC TGC CCG CGC GGC GTG AAC CCC GTG GTC TCC TAC GCC GTG GCT CTC AGC TGT CAA TGT	+300		+330
LH	pro	100		110
hCG	ala leu cys arg arg ser thr thr asp cys gly gly pro lys asp his pro leu thr cys	ser		
LH4	G C	T T	A	
CG5	GCA CTC TGC CGC CGC AGC ACC ACT GAC TGC GGG GGT CCC AAG GAC CAC CCC TTG ACC TGT			
CG6	...			
CG7	...			
Endo	GCA CTC TGC CGC CGC AGC ACC ACT GAC TGC GGG GGT CCC AAG GAC CAC CCC TTG ACC TGT	+360		+390
LH	his	117	120	130
hCG	glu leu ser gly leu leu phe leu ter			
LH4	asp asp pro arg phe gln asp ser ser ser ser lys ala pro pro pro ser leu pro ser			
CG5	C C CAAC TCT CAG GCC TCC TCT TCC TCT AAA			
CG6	GAT GAC CCC CG-C TTC CAG GAC TCC TCT TCC TCA AAG GGC CCT CCC AGC CTT CCA AGT			
CG7	...			
Endo	GAT GAC CCC CG C TTC CAG GGC TCC TCT TCT TCA AAG GGC CCT CCC CCC AGC CTT CCA AGT	ala	+420	+450
LH		140		145
hCG	pro ser arg leu pro gly pro ser asp thr pro ile leu pro gln ter			
LH4	CCA TCC CGA CTC CCG GGG CCC TCG GAC ACC CCG ATC CTC CCA CAA TAAA			
CG5	...			
CG6	...			
CG7	...			
Endo	CCA TCC CGA CTC CCG GGG CCC TCG GAC ACC CCG ATC CTC CCA CAA TAAA	+480	+495	